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\*Admitted only in Maryland  
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\*Practice Limited to  
Federal Agencies

November 18, 2004

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

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Technology Center 2600

**WRITER'S DIRECT NUMBER:**  
(202) 772-8855

**INTERNET ADDRESS:**  
HOLOUBEK@SKGF.COM

**Art Unit 2686**

Re: U.S. Patent Application  
Application No. 09/476,092; Filed: January 3, 2000  
For: **Analog Zero IF FM Decoder and Embodiments Thereof, Such As The  
Family Radio Service**  
Inventors: Sorrells *et al.*  
Our Ref: 1744.0250001

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Seventh Supplemental Information Disclosure Statement;
2. Form PTO-1449, listing 33 and enclosing 1 document;
3. Fee Transmittal;
4. Credit Card Payment Form in the amount of \$180.00 for submission of Information Disclosure Statement; and
5. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents  
November 18, 2004  
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

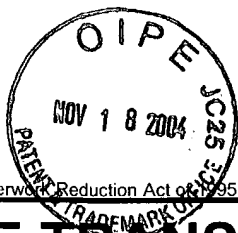
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Michelle K. Holoubek  
Agent for Applicants  
Registration No. 54,179

MKH/jmh

335908-1



PTO/SB/17 (10-04v2)  
Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

## Complete if Known

Application Number 09/476,092

Filing Date January 3, 2000

First Named Inventor David F. Sorrells

Examiner Name Naghmeh Mehrpour

Art Unit 2686

Attorney Docket No. 1744.0250001

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## METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit card ☐ Money Order ☒ Other ☐ None

\*\*Charge any deficiencies or credit any overpayments in Deposit Account: the fees to Deposit Acct. No. 19-0036.

Deposit  
Account  
Number  
Deposit  
Account  
Name

19-0036

Sterne, Kessler, Goldstein & Fox P.L.L.C.

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments

☐ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Entity |          | Small Entity |          | Fee Description        | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |                        |          |
| 1001         | 790      | 2001         | 395      | Utility filing fee     |          |
| 1002         | 350      | 2002         | 175      | Design filing fee      |          |
| 1003         | 550      | 2003         | 275      | Plant filing fee       |          |
| 1004         | 790      | 2004         | 395      | Reissue filing fee     |          |
| 1005         | 160      | 2005         | 80       | Provisional filing fee |          |
| SUBTOTAL (1) |          |              |          | (\$)                   | N/A      |

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

|                    |  | Extra Claims |  | Fee from below |  | Fee Paid |
|--------------------|--|--------------|--|----------------|--|----------|
|                    |  |              |  |                |  |          |
| Total Claims       |  | -20** =      |  | X              |  |          |
| Independent Claims |  | -3** =       |  | X              |  |          |
| Multiple Dependent |  |              |  |                |  |          |

| Large Entity |          | Small Entity |          | Fee Description  |
|--------------|----------|--------------|----------|--|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |  |
| 1202         | 18       | 2202         | 9        | Claims in excess of 20                                     |
| 1201         | 88       | 2201         | 44       | Independent claims in excess of 3                          |
| 1203         | 300      | 2203         | 150      | Multiple dependent claim, if not paid                      |
| 1204         | 88       | 2204         | 44       | ** Reissue independent claims over original patent         |
| 1205         | 18       | 2205         | 9        | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$) N/A

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Entity |          | Small Entity |          | Fee Description  | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |  |          |
| 1051         | 130      | 2051         | 65       | Surcharge - late filing fee or oath  |          |
| 1052         | 50       | 2052         | 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053         | 130      | 1053         | 130      | Non-English specification  |          |
| 1812         | 2,520    | 1812         | 2,520    | For filing a request for ex parte reexamination                            |          |
| 1804         | 920*     | 1804         | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805         | 1,840*   | 1805         | 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 1251         | 110      | 2251         | 55       | Extension for reply within first month                                     |          |
| 1252         | 430      | 2252         | 215      | Extension for reply within second month                                    |          |
| 1253         | 980      | 2253         | 490      | Extension for reply within third month                                     |          |
| 1254         | 1,530    | 2254         | 765      | Extension for reply within fourth month                                    |          |
| 1255         | 2,080    | 2255         | 1,040    | Extension for reply within fifth month                                     |          |
| 1401         | 340      | 2401         | 170      | Notice of Appeal   |          |
| 1402         | 340      | 2402         | 170      | Filing a brief in support of an appeal                                     |          |
| 1403         | 300      | 2403         | 150      | Request for oral hearing   |          |
| 1451         | 1,510    | 1451         | 1,510    | Petition to institute a public use proceeding                              |          |
| 1452         | 110      | 2452         | 55       | Petition to revive - unavoidable   |          |
| 1453         | 1,370    | 2453         | 685      | Petition to revive - unintentional   |          |
| 1501         | 1,370    | 2501         | 685      | Utility issue fee (or reissue)   |          |
| 1502         | 490      | 2502         | 245      | Design issue fee   |          |
| 1503         | 660      | 2503         | 330      | Plant issue fee  |          |
| 1460         | 130      | 1460         | 130      | Petitions to the Commissioner  |          |
| 1807         | 50       | 1807         | 50       | Processing fee under 37 CFR 1.17(q)  |          |
| 1806         | 180      | 1806         | 180      | Submission of Information Disclosure Stmt                                  | 180.00   |
| 8021         | 40       | 8021         | 40       | Recording each patent assignment per property (times number of properties) |          |
| 1809         | 790      | 2809         | 395      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 1810         | 790      | 2810         | 395      | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 1801         | 790      | 2801         | 395      | Request for Continued Examination (RCE)                                    |          |
| 1802         | 900      | 1802         | 900      | Request for expedited examination of a design application                  |          |

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 180.00

## SUBMITTED BY

|                   |                             |                                   |          |           |                |
|-------------------|-----------------------------|-----------------------------------|----------|-----------|----------------|
| Name (Print/Type) | Michelle K. Holoubek        | Registration No. (Attorney/Agent) | 54,179   | Telephone | (202) 371-2600 |
| Signature         | <i>Michelle K. Holoubek</i> | Date                              | 11/18/04 |           |                |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Sorrells *et al.*

Appl. No.: 09/476,092

Filed: January 3, 2000

For: **Analog Zero IF FM Decoder and  
Embodiments Thereof, Such As  
The Family Radio Service**

Confirmation No.: 7304

Art Unit: 2686

Examiner: Naghmeh Mehrpour

Atty. Docket: 1744.0250001

**Seventh Supplemental Information Disclosure Statement**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. The numbering on this Seventh Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Sixth Supplemental Information Disclosure Statement filed on May 14, 2004 in connection with the above-captioned application.

Applicants have listed publication dates on the attached Form PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

Applicants provide the following comments regarding the documents:

Documents AP59 and AE63 were cited in an Office Action in related U.S. Patent Application No. 09/567,977, filed May 10, 2000, entitled "Optical Down-converter Using Universal Frequency Translation Technology," directed to related subject matter. Also cited in said Office Action were U.S. Patent No. 6,608,647, Dines, J.A.B., "Smart Pixel Optoelectronic Receiver Based on a Charge Sensitive Amplifier Design," *IEEE Journal of Selected Topics in Quantum Electronics*, IEEE, Vol. 2, No. 1, pp. 117-120 (April 1996); Simoni, A. *et al.*, "A Digital Camera for Machine Vision," *20th International Conference on Industrial Electronics, Control and Instrumentation*, IEEE, pp. 879-883 (September 1994); and Stewart, R.W. and Pfann, E., "Oversampling and sigma-delta strategies for data conversion," *Electronics & Communication Engineering Journal*, IEEE, pp. 37-47 (February 1998), which have already been cited in the present application.

Document AG60-AI60 were cited in an Office Action in related U.S. Patent Application No. 10/317,165, filed April 14, 2000, entitled "Method and System for Down-Converting an Electromagnetic Signal, and Transforms for Same," directed to related subject matter.

Documents AA61 and AB61 were cited in an Office Action in related U.S. Patent Application No. 10/317,165, filed December 12, 2002, entitled "Method and Apparatus for Reducing DC Offsets in Communication Systems Using Universal Frequency Translation Technology," directed to related subject matter.

Document AC61 was cited in an Office Action in related U.S. Patent Application No. 09/669,634, filed September 26, 2000, entitled "High Frequency Translator and

Method of High Frequency Translation," directed to related subject matter. Also cited in said Office Action were U.S. Patent Nos. 5,955,992; 5,999,561; 6,686,879; 6,049,706; 6,421,534; and 6,560,301, and German Patent No. DE 196 48 915 A1 (and its translation), which have already been cited in the present application.

Document AD61 was cited in an Office Action in related U.S. Patent Application No. 09/476,093, filed January 3, 2000, entitled "Communication System Method With Multi-Mode and Multi-Band Functionality and Embodiments Thereof, Such as the Family Radio Service," directed to related subject matter. Also cited in said Office Action were U.S. Patent Nos. 5,937,013 and 5,790,587, which have already been cited in the present application.

Documents AE61 and AF61 were cited in a Notice of Allowance in related U.S. Patent Application No. 09/525,615, filed March 14, 2000, entitled "Method, System, and Apparatus for Balanced Frequency Up-conversion of a Baseband Signal and 4-Phase Receiver and Transceiver Embodiments," directed to related subject matter. Also cited in said Notice of Allowance were U.S. Patent Nos. 6,091,940; 6,370,371; 6,694,128; and 6,704,549, which have already been cited in the present application.

Documents AG61-AI61 were cited in an Written Opinion in related PCT Application No. PCT/US03/16403, filed May 27, 2003, entitled "Method and Apparatus for DC Offset Removal in a Radio Frequency Communication Channel," directed to related subject matter. Also cited in said Written Opinion was U.S. Patent No. 5,483,600, which has already been cited in the present application.

Documents AA62-AF62 were cited in an Office Action in related U.S. Patent Application No. 10/290,323, filed November 8, 2002, entitled "Method and Apparatus

for DC Offset Removal in a Radio Frequency Communication Channel," directed to related subject matter. Also cited in said Office Action was U.S. Patent No. 5,483,600, which has already been cited in the present application.

Documents AG62-AI62 were cited in an Office Action in related U.S. Patent Application No. 09/632,857, filed August 4, 2000, entitled "Wireless Local Area Network (WLAN) Technology and Applications Including Techniques of Universal Frequency Translation," directed to related subject matter. Also cited in said Office Action were U.S. Patent Nos. 5,937,013; 6,014,551; 6,073,001; 6,085,073; and 6,314,279, which have already been cited in the present application.

Documents AA63-AD63 were cited in an Office Action in related U.S. Patent Application No. 09/986,764, filed November 9, 2001, entitled "Method and Apparatus for Reducing DC Offsets in a Communication System," directed to related subject matter.

Documents AF63-AI63 were cited in a Notice of Allowance in related U.S. Patent Application No. 09/987,193, filed November 13, 2001, entitled "Method and Apparatus for a Parallel Correlator and Applications Thereof," directed to related subject matter.

Document AA64 was cited in an Office Action in related U.S. Patent Application No. 09/632,857, filed August 4, 2000, entitled "Wireless Local Area Network (WLAN) Technology and Applications Including Techniques of Universal Frequency Translation," directed to related subject matter.

Document AB64 is a co-owned patent which is directed to related subject matter.

This statement should not be construed as a representation that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below.

- ☐ 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- ☐ 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.
- ☒ 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.
  - ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
  - ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).



- ☒ c. Attached is our PTO-2038 Credit Card Payment Form in the amount of \$180.00 in payment of the fee under 37 C.F.R. § 1.17(p).
- ☐ 4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Enclosed find our PTO-2038 Credit Card Payment Form in the amount of \$\_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:
- ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☐ 5. The document(s) was/were cited in a search report by a foreign patent office in a counterpart foreign application. Submission of an English language version of the search report that indicates the degree of relevance found by the foreign office is provided in satisfaction of the requirement for a concise explanation of relevance. 1138 OG 37, 38.
- ☐ 6. A concise explanation of the relevance of non-English language document(s) appears below:
- ☒ 7. A copy of document AP59 is enclosed. However, in accordance with 37 C.F.R. § 1.98(a)(2), copies of U.S. patents and patent application publications cited on the attached Form PTO-1449 are not enclosed.

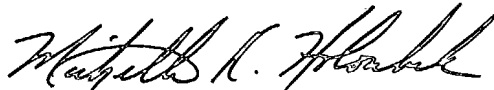
- ☐ 8. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. \_\_\_\_\_, filed \_\_\_\_\_, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).
- ☐ 9. It is expected that the examiner will review the prosecution and cited art in the parent application no. \_\_\_\_\_, in accordance with MPEP 2001.06(b), and indicate in the next communication from the office that the art cited in the earlier prosecution histories have been reviewed in connection with the present application.

It is respectfully requested that the Examiner initial and return a copy of the enclosed Form PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

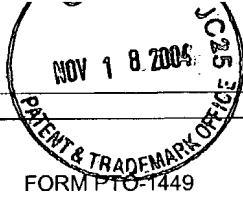
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Michelle K. Holoubek  
Agent for Applicants  
Registration No. 54,179

Date: 11/18/01

1100 New York Avenue, N.W.  
Washington, D.C. 20005-3934  
(202) 371-2600



FORM PTO-1449

SEVENTH SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1744.0250001APPLICATION NO.  
09/476,092INVENTORS  
Sorrells *et al.*FILING DATE  
January 3, 2000ART UNIT  
2686

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |      | DOCUMENT NUMBER | DATE    | NAME                   | CLASS | SUB-CLASS | FILING DATE |
|---------------------|------|-----------------|---------|------------------------|-------|-----------|-------------|
|                     | AA   |                 |         |                        |       |           |             |
|                     | AB   |                 |         |                        |       |           |             |
|                     | AC   |                 |         |                        |       |           |             |
|                     | AD   |                 |         |                        |       |           |             |
|                     | AE   |                 |         |                        |       |           |             |
|                     | AF   |                 |         |                        |       |           |             |
|                     | AG60 | 5,678,226       | 10/1997 | Li <i>et al.</i>       |       |           |             |
|                     | AH60 | 5,760,632       | 06/1998 | Kawakami <i>et al.</i> |       |           |             |
|                     | AI60 | 6,160,280       | 12/2000 | Bonn <i>et al.</i>     |       |           |             |

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Technology Center 2600

## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                     | AJ |                 |      |         |       |           | Yes<br>No   |
|                     | AK |                 |      |         |       |           | Yes<br>No   |
|                     | AL |                 |      |         |       |           | Yes<br>No   |
|                     | AM |                 |      |         |       |           | Yes<br>No   |

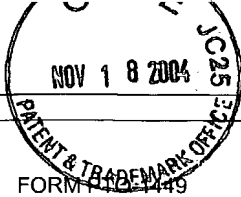
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

|  |    |    |  |
|--|----|----|--|
|  | AN |    |  |
|  | AO |    |  |
|  | AP | 59 | Deboo, Gordon J., <i>Integrated Circuits and Semiconductor Devices</i> , 2 <sup>nd</sup> Edition, McGraw-Hill, Inc., pp. 41-45 (1977). |
|  | AQ |    |  |
|  | AR |    |  |

EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

SEVENTH SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1744.0250001APPLICATION NO.  
09/476,092INVENTORS  
Sorrells *et al.*FILING DATE  
January 3, 2000ART UNIT  
2686

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |      | DOCUMENT NUMBER | DATE    | NAME                 | CLASS | SUB-CLASS | FILING DATE |
|---------------------|------|-----------------|---------|----------------------|-------|-----------|-------------|
| ✓                   | AA61 | 5,481,570       | 01/1996 | Winters              |       |           |             |
|                     | AB61 | 5,745,846       | 04/1998 | Myer <i>et al.</i>   |       |           |             |
|                     | AC61 | 5,345,239       | 09/1994 | Madni <i>et al.</i>  |       |           |             |
|                     | AD61 | 4,132,952       | 01/1979 | Hongu <i>et al.</i>  |       |           |             |
| ✓                   | AE61 | 5,260,973       | 11/1993 | Watanabe             |       |           |             |
|                     | AF61 | 6,307,894 B2    | 10/2001 | Eidson <i>et al.</i> |       |           |             |
|                     | AG61 | 6,091,289       | 07/2000 | Song <i>et al.</i>   |       |           |             |
|                     | AH61 | 6,437,639 B1    | 08/2002 | Nguyen <i>et al.</i> |       |           |             |
|                     | AI61 | 2002/0037706 A1 | 03/2002 | Ichihara             |       |           |             |

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| EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                     | AJ |                 |      |         |       |           | Yes<br>No   |
|                     | AK |                 |      |         |       |           | Yes<br>No   |
|                     | AL |                 |      |         |       |           | Yes<br>No   |
|                     | AM |                 |      |         |       |           | Yes<br>No   |

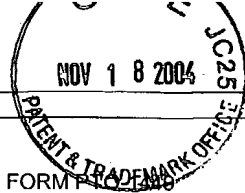
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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FORM PTO-240

SEVENTH SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1744.0250001APPLICATION NO.  
09/476,092INVENTORS  
Sorrells *et al.*FILING DATE  
January 3, 2000ART UNIT  
2686

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |      | DOCUMENT NUMBER | DATE    | NAME                     | CLASS | SUB-CLASS | FILING DATE |
|---------------------|------|-----------------|---------|--------------------------|-------|-----------|-------------|
|                     | AA62 | 4,441,080       | 04/1984 | Saari                    |       |           |             |
|                     | AB62 | 4,873,492       | 10/1989 | Myer                     |       |           |             |
|                     | AC62 | 5,697,074       | 12/1997 | Makikallio <i>et al.</i> |       |           |             |
|                     | AD62 | 5,784,689       | 07/1998 | Kobayashi                |       |           |             |
|                     | AE62 | 6,335,656 B1    | 01/2002 | Goldfarb <i>et al.</i>   |       |           |             |
|                     | AF62 | 6,690,232 B2    | 02/2004 | Ueno <i>et al.</i>       |       |           |             |
|                     | AG62 | 5,636,140       | 06/1997 | Lee <i>et al.</i>        |       |           |             |
|                     | AH62 | 6,366,622 B1    | 04/2002 | Brown <i>et al.</i>      |       |           |             |
|                     | AI62 | 6,600,795 B1    | 07/2003 | Ohta <i>et al.</i>       |       |           |             |

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|                     | AJ |                 |      |         |       |           | Yes<br>No   |
|                     | AK |                 |      |         |       |           | Yes<br>No   |
|                     | AL |                 |      |         |       |           | Yes<br>No   |
|                     | AM |                 |      |         |       |           | Yes<br>No   |

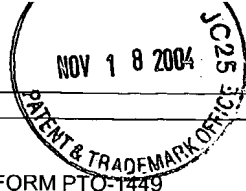
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SEVENTH SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1744.0250001APPLICATION NO.  
09/476,092INVENTORS  
Sorrells *et al.*FILING DATE  
January 3, 2000ART UNIT  
2686

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |      | DOCUMENT NUMBER | DATE    | NAME                    | CLASS | SUB-CLASS | FILING DATE |
|---------------------|------|-----------------|---------|-------------------------|-------|-----------|-------------|
|                     | AA63 | 4,250,458       | 02/1981 | Richmond <i>et al.</i>  |       |           |             |
|                     | AB63 | 5,760,629       | 06/1998 | Urabe <i>et al.</i>     |       |           |             |
|                     | AC63 | 6,084,465       | 07/2000 | Dasgupta                |       |           |             |
|                     | AD63 | 6,204,789 B1    | 03/2001 | Nagata                  |       |           |             |
|                     | AE63 | 6,064,054       | 05/2000 | Waczynski <i>et al.</i> |       |           |             |
|                     | AF63 | 5,218,562       | 06/1993 | Basehore <i>et al.</i>  |       |           |             |
|                     | AG63 | 5,239,496       | 08/1993 | Vancraeynest            |       |           |             |
|                     | AH63 | 5,896,304       | 04/1999 | Tiemann <i>et al.</i>   |       |           |             |
|                     | AI63 | 6,005,903       | 12/1999 | Mendelovicz             |       |           |             |

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|---------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                     | AJ |                 |      |         |       |           | Yes<br>No   |
|                     | AK |                 |      |         |       |           | Yes<br>No   |
|                     | AL |                 |      |         |       |           | Yes<br>No   |
|                     | AM |                 |      |         |       |           | Yes<br>No   |

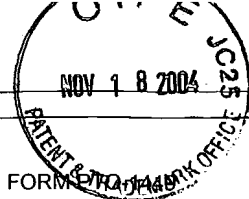
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FORM PTO-744b

SEVENTH SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1744.0250001APPLICATION NO.  
09/476,092INVENTORS  
Sorrells *et al.*FILING DATE  
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## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |      | DOCUMENT NUMBER | DATE    | NAME                   | CLASS | SUB-CLASS | FILING DATE |
|---------------------|------|-----------------|---------|------------------------|-------|-----------|-------------|
|                     | AA64 | 5,834,979       | 11/1998 | Yatsuka                |       |           |             |
|                     | AB64 | 6,798,351 B1    | 09/2004 | Sorrells <i>et al.</i> |       |           |             |
|                     | AC   |                 |         |                        |       |           |             |
|                     | AD   |                 |         |                        |       |           |             |
|                     | AE   |                 |         |                        |       |           |             |
|                     | AF   |                 |         |                        |       |           |             |
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|                     | AH   |                 |         |                        |       |           |             |
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|                     | AJ |                 |      |         |       |           | Yes<br>No   |
|                     | AK |                 |      |         |       |           | Yes<br>No   |
|                     | AL |                 |      |         |       |           | Yes<br>No   |
|                     | AM |                 |      |         |       |           | Yes<br>No   |

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